

IN THE SPECIFICATION

Kindly replace the paragraph, starting on page 8, line 17, with the following:

In an exemplary embodiment of the invention, said guide wire passes a through a liquid path of said column in said catheter.

Kindly replace the paragraph, starting on page 8, line 24, with the following:

In an exemplary embodiment of the invention, said inner tube comprises a standard balloon catheter having an adjustable seal mounted thereon, and wherein said liquid is carried between said outer tube and said standard balloon catheter. Optionally, the outer tube is a guiding catheter.

Kindly replace the paragraph, starting on page 17, line 27, with the following:

In another example of an alternative catheter advancing technique, catheter 200 is used to crawl forward, in relatively small steps. In this technique, end 228 is extended and then tube 204 is advanced. Optionally, end 228 is retracted during the advance of tube 204 so that end 228 stays in a same position relative to a blood vessel. Optionally, this technique uses tube 202 is as a slightly more rigid guide wire for tube 204.

Kindly replace the paragraph, starting on page 19, line 19, with the following:

Controller 120 optionally includes other types of extension sensors, for example an optical ~~encoded~~ encoder which reads markings on the extending tube. In an alternative embodiment, one or more radio-opaque markers are provided on the extending and/or non-extending tubes, so that their relative position is visible using x-ray imaging.

Kindly replace the paragraph, starting on page 20, line 32, with the following:

Exemplary outer diameters of the extending section of the catheter are 2 mm, 1.5, 1 mm, ~~0.7~~ 0.7 mm, 0.5 mm or smaller, intermediate or larger diameters. The non-extending sections can have an outer diameter of, for example, less than 3 mm or less than 2 mm or a smaller, intermediate or greater diameter.

Kindly replace the paragraph, starting on page 23, line 20, with the following:

A fluid port 442 is optionally provided for injecting fluid under pressure (e.g., using controller 120 or a syringe, as described above). The same port is optionally to inflate balloon 418 by selectively connecting port 442 to inner tube 404. In an alternative embodiment of the invention, once balloon 418 is positioned base 440 is opened and a second or same pressure source is attached to a proximal side of tube 404. Optionally, tubes 402 and 404 are locked prior to such opening. Alternatively or additionally, stops 448 and 449 may be designed to interlock and prevent retraction of tube 404 once advanced. Base section ~~840~~ 440 maybe of various lengths. For example, if tube 404 is not folded, it may be, for example, 20, 30 or 40 cm long. If a folded tube is used (e.g., as described below), a shorter section may be provided, for example less than 20 cm.

Kindly replace the paragraph, starting on page 24, line 16, with the following:

When extending catheter 400 past a blockage there may be a danger of overshoot, in which a high pressure applied to overcome the blockage will, once the blockage is passed, translate into a large rapid extension. In an exemplary embodiment of the invention, friction is applied to tube 404, inside base 440, to reduce such overshoot. Optionally, such friction is controllable. Alternatively or additionally, a temporary stop may be placed to limit a maximum extension.